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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/769,795		02/03/2004	Eiji Okabe	2004-0141A	9246	
513	7590	09/21/2004		EXAM	EXAMINER	
WENDER 2033 K ST	,	IND & PONACK, L W.	WU, SHEAN CHIU			
	SUITE 800			ART UNIT	PAPER NUMBER	
WASHING	STON, D	C 20006-1021		1756		
				DATE MAILED: 09/21/200/	DATE MAILED: 09/21/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
	10/769,795	OKABE ET AL.						
Office Action Summary	Examiner	Art Unit						
	Shean C. Wu	1756						
The MAILING DATE of this communication a	ppears on the cover sheet with the o	correspondence addre	ss					
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a recommendation in the period for reply specified above, the maximum statutory periodary reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 03 2a) Responsive to communication(s) filed on 03 2a) Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims 4) Claim(s) 1-40 is/are pending in the application 4a) Of the above claim(s) is/are allowed.	LY IS SET TO EXPIRE 3 MONTH(1. 1.136(a). In no event, however, may a reply be tined by within the statutory minimum of thirty (30) day of will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE into date of this communication, even if timely filed in a section is non-final. In ance except for formal matters, profix parte Quayle, 1935 C.D. 11, 45 m. awn from consideration.	(S) FROM mely filed vs will be considered timely. the mailing date of this community (35 U.S.C. § 133). d, may reduce any	unication.					
6)⊠ Claim(s) <u>1-11,18-31 and 38-40</u> is/are rejected	d.							
7) Claim(s) 12-17 and 32-37 is/are objected to.								
8) Claim(s) are subject to restriction and/	or election requirement.							
Application Papers								
9) The specification is objected to by the Examin								
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the E	ction is required if the drawing(s) is objuction is required if the attached Office is a continuous	ected to. See 37 CFR 1. Action or form PTO-1	.121(d). 52.					
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 2/3/04.	4) Interview Summary (I Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e						

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-11, 18-31 and 38-40 rejected under 35 U.S.C. 103(a) as being unpatentable over Kelly (US 5,032,312).

The reference discloses novel compounds represented by formula I, which include the present formulae (I-1) and (I-2). See the compounds of col. 23, lines 45-68. The reference further teaches the 0.1-100 wt.% can be used in liquid crystal mixture (see col. 14, lines 17-29). The reference mixtures containing the suitable compounds of the formulae (col. 14 to col. 15) encompass the present formulae (2)-(4), which are useful for nematic display device. See the reference claims 18-23.

The reference differs from the claims in that the claimed composition has a negative dielectric anisotropy. It is known that the reference compounds 2,3-difluorobenzene with an allyl ether (col. 23, lines 45-68) have negative dielectric anisotropy (see CAPLUS 1991: 571442). Therefore, it would have been obvious to those skilled in the art to use negative dielectric anisotropy of the reference compounds (compounds 2,3-difluorobenzene with an allyl ether) to admix with other suitable

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compounds (formulae XX-XXII and XIV-XXXI on col. 14 to col. 15) to arrive at the claimed invention.

Allowable Subject Matter

- 3. Claims 12-17 and 32-37 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shean C. Wu whose telephone number is 571-272-1393. The examiner can normally be reached on 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217, 9197 (toll-free).

Shean C Wu

Primary Examiner

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